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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/879,790	06/12/2001	Anthony J. Moore	MS160317.1/40062.126US01	4157

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EXAMINER

IQBAL, NADEEM

ART UNIT PAPER NUMBER

2114

DATE MAILED: 04/08/2004

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Please find below and/or attached an Office communication concerning this application or proceeding.

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Office Action Summary

Application No.

09/879,790

Applicant(s)

MOORE ET AL.

Examiner

Nadeem Iqbal

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– The MAILING DATE of this communication appears on the cover sheet with the correspondence address –
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 12 June 2001.
2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-31 is/are pending in the application.
4a) Of the above claim(s) _____ is/are withdrawn from consideration.
5) ☐ Claim(s) _____ is/are allowed.
6) ☒ Claim(s) 1-9, 11-14 and 20-30 is/are rejected.
7) ☒ Claim(s) 10, 15-19 and 31 is/are objected to.
8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 4.
4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1, 2, 20, 28, & 29 are rejected under 35 U.S.C. 102(e) as being anticipated by Hoogenboom et al., (Published U.S. Patent Application number 2002/0083171).

1. As per claims 1 & 28, Hoogenboom et al., teaches (page 2, col. 1, Para. 0018, lines 1-3) a system and method of validating inputs to an application process received at any one of a plurality of communication interfaces. He thus teaches limitations pertains to a computer program executing on a computer system a computer process for validating input data received through at least one client-side control element in a Web page. He also teaches (page 2, col. 1, Para. 0018, lines 4-6) a validation engine determines validation criteria for inputs to the application process received at any one of the communication interfaces, and that one of the communication interfaces may be a communication server. He thus teaches limitations detecting a validator declaration in the server-side resource, generating a server-side validation criterion. He also teaches (page 2, col. 1, Para. 0018, lines 12-14) that responsive to a query, the validation engine provides validation data representative of the validation criteria to the communication server. He thus teaches limitations pertains to evaluating at least a portion of the input data to determine whether the portion of the input data satisfies the validation criteria, the portion of the

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input data being received through the client-side input control element associated with the server-side.

3. As per claims 2 & 29, He teaches (page 2, col. 1, Para. 0018, lines 12-14) that responsive to a query, the validation engine provides validation data representative of the validation criteria to the communication server. He thus teaches limitations pertain to designating a property of the server-side control object as a validation property. He also teaches (page 2, col. 1, Para. 0018, lines 4-6) a validation engine determines validation criteria for inputs to the application process received at any one of the communication interfaces, and that one of the communication interfaces may be a communication server. He thus teaches limitations pertain to server-side validation object and its associated with the server-side input control object and receiving the input data into the server-side. He also teaches as stated above that the validation engine provides validation data representative of the validation criteria to the communication server. He thus teaches evaluation of the input data against the validation criteria.

2. As per claim 20, Hoogenboom et al., teaches (page 2, col. 1, Para. 0018, lines 1-3) a system and method of validating inputs to an application process received at any one of a plurality of communication interfaces. He thus teaches limitations pertains to an object for validating input data received through at least one client-side control element in a Web page. He also teaches (page 2, col. 1, Para. 0018, lines 4-6) a validation engine determines validation criteria for inputs to the application process received at any one of the communication interfaces, and that one of the communication interfaces may be a communication server. He thus teaches limitations detecting a validator declaration in the server-side resource, generating a server-side validation criterion. He also teaches (page 2, col. 1, Para. 0018, lines 12-14) that responsive to a

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query, the validation engine provides validation data representative of the validation criteria to the communication server. He thus teaches limitations pertains to evaluating at least a portion of the input data to determine whether the portion of the input data satisfies the validation criteria, the portion of the input data being received through the client-side input control element associated with the server-side.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

5. Claims 3-9, 11-14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hoogenboom et al., (Published U.S. Patent Application number 2002/0083171).

6. As per claims 3, He does not explicitly disclose storing an identifier of the server-side input control object in the server-side validation object. Hoogenboom et al., teaches (page 2, col.

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1, Para. 0018, lines 1-3) a system and method of validating inputs to an application process received at any one of a plurality of communication interfaces. He also teaches (page 2, col. 1, Para. 0018, lines 4-6) a validation engine determines validation criteria for inputs to the application process received at any one of the communication interfaces, and that one of the communication interfaces may be a communication server. It would have been obvious to a person of ordinary skill in the art at the time the invention was made to realize that he would also include storing an identifier in the server-side validation object, since he teaches a validation engine determines validation criteria for inputs to the application process received at any one of the communication interfaces, therefore would require storing an identifier in the server-side as claimed.

7. As per claim 4, He teaches as stated per claim 1 above a validation engine determines validation criteria for inputs to the application process received at any one of the communication interfaces, therefore would permit input data that satisfies the validation criterion.

8. As per claim 5, He also teaches (page 3, col. 1, Para. 0026, lines 5-8) that the validation may define input constraints for data types, completeness, date and time or other format related requirement. He thus provides motivation to a person of ordinary skill in the art to withhold a portion of the input data if the validation criteria is not satisfied,

9. As per claim 6, He also teaches (page 3, col. 2, Para. 0032, lines 7-10) that the server may transmit a message to the external process indicating that the input is invalid and may be resubmitted, thus transmits an error message.

10. As per claims 7 & 8, He teaches (page 2, col. 2, Para. 0023, lines 3-5) that the validation criteria is determined at the validation engine is used to execute procedures at either the external

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processes or the communication interfaces to validate inputs to the application process. He thus teaches validation criterion that defines a format.

11. As per claims 9 & 11, He also teaches (page 3, col. 1, Para. 0026, lines 5-8) that the validation criteria may define input constraints for data types, completeness, date and time or other format related requirement. He thus teaches the limitations pertain to input data received be different than an initial value.

Allowable Subject Matter

12. Claims 10, 15-19, & 31 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

13. As per claims 12 & 13, He also teaches (page 2, col. 1, Para. 0018, lines 12-14) that responsive to a query, the validation engine provides validation data representative of the validation criteria to the communication server. He thus would include a comparison operation to evaluate input data.

14. As per claim 14, He also teaches (page 3, col. 1, Para. 0028, lines 7-9) that if the script determines that the user inputs are not valid, the script may suspend transmission of the user inputs and generate a message on the GUI indicating that all or part of the user inputs are invalid. He thus teaches limitations pertain to generating a validation summary object for displaying on the Web page.

15. As per claim 21, He also teaches (page 3, col. 2, Para. 0032, lines 7-10) that the server may transmit a message to the external process indicating that the input is invalid and may be resubmitted, thus transmits an error message. He also teaches (page 3, col. 1, Para. 0028, lines 7-

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9) that if the script determines that the user inputs are not valid, the script may suspend transmission of the user inputs and generate a message on the GUI indicating that all or part of the user inputs are invalid. He thus teaches limitations pertain to generating a validation summary object for displaying on the Web page.

16. As per claim 22, He teaches as stated per claim 1 above a validation engine determines validation criteria for inputs to the application process received at any one of the communication interfaces, therefore would permit input data that satisfies the validation criterion.

17. As per claim 23, He also teaches (page 3, col. 1, Para. 0026, lines 5-8) that the validation criteria may define input constraints for data types, completeness, date and time or other format related requirement. He thus teaches the limitations pertain to input data received be different than an initial value.

18. As per claims 24 & 25, He also teaches (page 2, col. 1, Para. 0018, lines 12-14) that responsive to a query, the validation engine provides validation data representative of the validation criteria to the communication server. He thus would include a comparison operation to evaluate input data.

As per claims 26 & 27, He also teaches (page 3, col. 1, Para. 0028, lines 7-9) that if the script determines that the user inputs are not valid, the script may suspend transmission of the user inputs and generate a message on the GUI indicating that all or part of the user inputs are invalid. He thus teaches limitations pertain to generating a validation summary object for displaying on the Web page.

19. As per claim 30, He also teaches (page 2, col. 1, Para. 0018, lines 12-14) that responsive to a query, the validation engine provides validation data representative of the validation criteria

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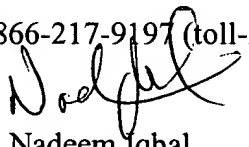
to the communication server. He thus would include a comparison operation to evaluate input data.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nadeem Iqbal whose telephone number is (703)-308-5228. The examiner can normally be reached on M-F (8:00-5:30) First Friday Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert W Beausoliel can be reached on (703)-305-9713. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Nadeem Iqbal
Primary Examiner
Art Unit 2114

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